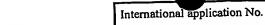




PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

	PC'	Г	
MSI.			ATION REPORT
Instation internation	ONAL PRELIMINAL		UZ DEC 2
	(PCT Article 36		
applicant's or agent's file reference WA 2767-04WO	FOR FURTHER ACTION See Notification of Transmittal of Interns. Preliminary Examination Report (Form PCT/IPEA)		
international application No.	International filing date (a		Priority date (day/month/year) 05 June 2002 (05.06.2002)
PCT/EP2003/005605	28 May 2003 (28		05 Julie 2002 (05.00.2002)
international Patent Classification (IPC) or F03D 1/06	national classification and ir	C	
Applicant	WOBBEN,	Aloys	
amended and are the basis 70.16 and Section 607 of t These annexes consist of a		eets of the description to the containing rectification in the rectifica	tion, claims and/or drawings which have b cations made before this Authority (see R
I Basis of the repo II Priority III Non-establishme	ent of opinion with regard to the invention	novelty, inventive	step and industrial applicability
I Basis of the repo	rt ent of opinion with regard to r	novelty, inventive	step and industrial applicability inventive step or industrial applicability;
I Basis of the repo	ent of opinion with regard to a invention nent under Article 35(2) with planations supporting such stants	novelty, inventive regard to novelty, stement	
I Basis of the repo	ent of opinion with regard to a invention nent under Article 35(2) with planations supporting such stants onts cited	novelty, inventive regard to novelty, stement	
I Basis of the repo	ent of opinion with regard to a invention nent under Article 35(2) with planations supporting such stants	novelty, inventive regard to novelty, stement	
I Basis of the repo	ent of opinion with regard to a invention nent under Article 35(2) with planations supporting such stants onts cited	novelty, inventive regard to novelty, stement	
I Basis of the repo	ent of opinion with regard to a invention nent under Article 35(2) with planations supporting such stants onts cited	regard to novelty, itement	inventive step or industrial applicability;
I Basis of the repo	ent of opinion with regard to a invention ment under Article 35(2) with planations supporting such stants cited in the international applications on the international app	regard to novelty, itement	inventive step or industrial applicability;
I Basis of the repo	ent of opinion with regard to a invention ment under Article 35(2) with planations supporting such stants cited in the international applications on the international applications.	regard to novelty, itement	inventive step or industrial applicability; on of this report 05 July 2004 (05.07.2004)



PCT/EP2003/005605

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

I. Basis of	f the rep	port	
1. With re	gard to	the elements of the international application:*	
		national application as originally filed	
	the desc	ription:	tata da esta esta esta esta esta esta esta est
		1_12	, as originally filed
			, filed with the demand
	pages	, filed with the letter of	
	the clair		
2_3		7 10	, as originally filed
	pages	, as amended (together w	, filed with the demand
			_ ·
	pages	1-6, filed with the letter of	11 June 200 : (21100.200)
	the dra	wings:	i-iII Glad
		1/7 7/7	, as originally filed , filed with the demand
	pages		, filed with the domain
	pages	, filed with the letter of	
n	he seque	ence listing part of the description:	
			, as originally filed
	pages		, ilica with the deliter
1	pages	, filed with the letter of	
the in These	the last the	nguage of a translation furnished for the purposes of international search (under Rulnguage of publication of the international application (under Rule 48.3(b)). Inguage of the translation furnished for the purposes of international preliminary	which is: le 23.1(b)). examination (under Rule 55.2 and/ ional application, the international go beyond the disclosure in the
in t	This beyon	the description, pages the claims, Nos the drawings, sheets/fig report has been established as if (some of) the amendments had not been made, sind the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).** ont sheets which have been furnished to the receiving Office in response to an invite fort as "originally filed" and are not annexed to this report since they do not be the sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendments must be referred to under item 1 and annual ement sheet containing such amendment sheet containing sh	ation under Article 14 are referred to ot contain amendments (Rule 70.16

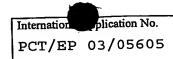




PCT/EP2003/005605

III. Non-e	stablishment of opinion with regard to novelty, inventive step and industrial applicability
1. The quindustr	uestions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be ially applicable have not been examined in respect of:
	the entire international application.
\boxtimes	claims Nos
becaus	se:
	the said international application, or the said claims Nos
\$	the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify): SEE SUPPLEMENTAL SHEET
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed. no international search report has been established for said claims Nos
2. A m	neaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid quence listing to comply with the standard provided for in Annex C of the Administrative Instructions: the written form has not been furnished or does not comply with the standard.
	the computer readable form has not been furnished or does not comply with the standard.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT



Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: III.1.

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The expressions "...in particular according to claim..." or "...in particular according to one of the preceding claims..." in claims 10, 11, 12 and 19 are vague and unclear and leave the reader uncertain as to the meaning of the technical features in question and as to the dependence of the claims. As a result, the subject matter of these claims is not clearly defined (PCT Article 6).

Claims 13-18 are dependent upon one of the preceding claims and thus likewise fail to satisfy the PCT requirements with respect to clarity (PCT Article 6).

Moreover, the wording of said claims does not make clear and unambiguous what combination of technical features actually forms the subject matter of claims 10-19.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Internal application No.
PCT/EP 03/05605

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

Statement			
Novelty (N)	Claims	1-9	YES
	Claims		NO
Inventive step (IS)	Claims	1-9	YES
mvoitave stop (20)	Claims		NO
Industrial applicability (IA)	Claims	1-9	YES
meanin approaching (= -)	Claims		NO

Citations and explanations

Reference is made to the following document:
D1: US-A-4 773 824 (KISS STEFAN) 27 September 1988
(1988-09-27)

Document D1 is considered the prior art closest to the subject matter of claim 1. It discloses (the references in parentheses are to D1):

a wind power installation with at least one rotor blade that is attached to a rotor hub and with a hub covering.

The subject matter of claim 1 thus differs from the known wind power installation in that part of the rotor blade is formed on the outside of the hub covering, this rotor part being permanently attached but not an integral component of the rotor blade of the wind power installation.

Therefore, the subject matter of claim 1 is novel (PCT Article 33(2)).

The problem to be solved by the present invention can thus be seen as that of improving the efficiency of the rotor blades and of reducing strain on the wind power installation as a whole.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Internation Splication No.
PCT/EP 03/05605

The solution to this problem as proposed in claim 1 of the present application involves an inventive step (PCT Article 33(3)) for the following reasons:

operating at the same capacity and using the rotor blade design according to the invention or the design for the entire wind power installation according to the invention, it is possible to reduce the number of revolutions and thus to reduce strain on the structure.

Claims 2-9 are dependent upon claim 1 and thus likewise satisfy the PCT requirements with respect to novelty and inventive step.

Claims 1-9 satisfy the PCT requirements with respect to industrial applicability (PCT Article 33(4)).